

120203  
13281

U.S. PTO

## NONPROVISIONAL PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, Virginia 22320  
Telephone: (703) 836-6400  
Facsimile: (703) 836-2787

Attorney Docket No.: 117932

Date: December 2, 2003

03917 U.S. PTO  
10/124612

## MAIL STOP PATENT APPLICATION

120203

Customer Number: 25944

NONPROVISIONAL APPLICATION TRANSMITTAL  
RULE §1.53(b)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is the nonprovisional patent application

For (Title): REFLECTION-TYPE OPTICAL SENSOR, CARRIAGE, AND DATA PROCESSING-  
DEVICE

By (Inventors): Tetsuya KATO

Formal drawings (Figs. 1-9; 9 sheets) are attached.  
 Use Figure \_\_\_\_\_ for front page of Publication.

A Declaration and Power of Attorney is filed herewith.  
 This application claims benefit of Provisional Application No. \_\_\_\_\_ filed \_\_\_\_\_.  
 (A Preliminary Amendment is attached to reflect this claim in the Specification if not already present.)

This patent application is assigned to BROTHER KOGYO KABUSHIKI KAISHA.  
 The executed Assignment is filed herewith.

An Information Disclosure Statement is filed herewith.  
 Entitlement to small entity status is hereby asserted.  
 A Preliminary Amendment is filed herewith.

Priority of foreign application No. 2002-352825 filed December 4, 2002 in Japan is claimed (35 U.S.C. §119).  
 A certified copy of the above corresponding foreign application(s) is filed herewith.

This application is NOT to be published under 35 U.S.C. 122(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing.

The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF  
ANY PRELIMINARY AMENDMENT NOTED ABOVE

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	19 - 20	= 0 *
INDEP CLAIMS	3 - 3	= 0 *
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

\* If the difference is less than zero, enter "0".

Check No. 148815 in the amount of \$770.00 to cover the filing fee is attached. Except as otherwise noted herein, the Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

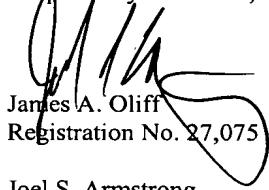
## SMALL ENTITY

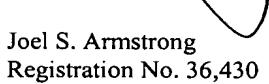
RATE	Fee
	\$ 385
x 9 =	\$
x 43 =	\$
+ 145 =	\$
TOTAL	\$

OTHER THAN A  
SMALL ENTITY

OR	RATE	Fee
OR		\$ 770
OR	x 18	\$
OR	x 86	\$
OR	+ 290	\$
OR	TOTAL	\$ 770

Respectfully submitted,

  
 James A. Oliff  
 Registration No. 27,075

  
 Joel S. Armstrong  
 Registration No. 36,430